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I.—THE DIALECTS OF NORTH GREECE.¹

The statement of Strabo (VIII 1, 2, p. 333) πάντες οἱ γὰρ ἐκτὸς Ἰσθμοῦ πλὴν Ἀθηναίων καὶ Μεγαρέων καὶ τῶν περὶ τὸν Παρνασσὸν Δωριέων καὶ νῦν ἔτι Αἰολεῖς καλοῦνται is a statement which epigraphic testimony proves to contain an illegitimate use of Αἰολεῖς, but which is doubtless to be explained by reference to that plastic use of tribal names the most patent case of which is the extension of the term Ἕλληνες. By the Greeks before Aristotle Thessaly was regarded as the cradle of the Greek race, and bore originally, *i. e.* before the incursion of the Thesprotians under Thessalus, the name Αἰολίς. This incursion gave the impetus to a series of revolutions in tribal relations which it is impossible for the historian to control with certainty. The Αἰολιδέων πόλις in Phocis on the way from Daulis to Delphi (Hdt. VIII 35), and the territory of Pleuron and Calydon, called Αἰολίς, in Southern Aetolia, received in all probability their names from exiled Aeolians. In the case of Pleuron (Πλευρωνία) such a conjecture has at least the testimony of antiquity in its favor (Strabo X 3, 6, p. 465), and, as Meister remarks, the statement of a historian in Steph. Byz., ἐν μὲν τοι Δωριεῦσιν Αἰτωλοί, can readily be brought into agreement with the assertions of Thuc. III 102, and the scholion on Theocr. I 56 (Αἰολίς γὰρ ἡ Αἰτωλίς), by regarding the Doric Aetolians as the inhabitants of the ἀρχαία Αἰτωλία. The passage from Strabo quoted above is the only authority which affixes to the inhabitants of northwestern and north-central Greece the name Aeolic. On the other hand, the consentient testimony of the ancients regarded Thessaly and Boeotia alone as Aeolic, and the grammarians restrict the use of

¹ Read at the meeting of the American Philological Association held at Ithaca, July, 1886.

the term "Aeolic dialect" to the idiom of Lesbian poetry, very infrequently characterizing as Aeolic a form which is Boeotian or Thessalian.

Giese (Der aeolische Dialekt, p. 131) has well remarked, in discussing the difficulties presented by the utterances of the Greeks in reference to their tribal and dialectological relations: "*Nicht in den Meinungen der Alten liegen die wahrhaft historischen Zeugnisse, sondern in ihrer Sprache selbst.*" If we supplement this statement by another, which in reality is not excluded by the first: "*Ohne Rücksicht auf das Leben des Volks ist die Sprachwissenschaft todt und werthlos*" (Fick, Ilias, p. 564), we open up the two avenues by which the science of Greek dialectology is to be approached. It will, therefore, in the first instance be necessary to pass in review the various phenomena which constitute each of the cantonal idioms of that wide territory reaching from the Aegean Sea to the western part of Epirus, and from Olympus to the southernmost parallel of those states washed by the Corinthian Gulf. Upon this scientific basis alone can we hope to attain results, the value of which will doubtless be enhanced by the fact that so comprehensive an investigation has as yet not been attempted in Germany.

To establish the position of the dialects of Thessaly and Boeotia as dialects of North Greece, in their connection with Asiatic-Aeolic and in their relation to one another, I present the following table of their chief distinctive morphological features.

I.—DIALECT OF THESSALY.

A. Peculiarities which belong specifically to Thessaly.

1. *ε* for *α* in *δέ*. 2. *ου* for *ω*; *ω* has ceased to exist. 3. *κ* for *τ* in *κίς*. 4. *φ* for *θ* in *φείρ*. 5. *τθ* for *φθ* in *Ἀτθόνειτος*. 6. *δδ* for *δ* in *ἰδδιαν*. 7. Gen. sing. -*ο* decl. in -*αι*.¹ 8. Demonstr. pron. *ὄνε*. 9. Infin. pass. in -*σθειν*. 10. 3 pl. pass. in -*υθειν*. 11. Infin. aor. act. in -*σειν*. 12. *μά* for *δέ*. 13. *δαύχνα* for *δάφνη* in *ἀρχιδανχαφορείσας*. 13. *σσ* for *ζ* in *ἐμφανίσσοεν*. 14. -*εν* in 3 pl. imperf. aorist (*ἐδοίκαεμμά*).

B. Points of agreement with the dialect of Boeotia.

1. *ε* for *α* in *θήρσος* (*θάρσος* also is Boeot.). 2. *ει* for *η*. 3. A labial for a dental: Thess. *Πετθᾱλός* = Boeot. *Φετταλός*. 4. A dental surd and aspirate in Thess. = a double dental in Boeot. = *σσ* in Attic. See example under 3. 5. *θ* for *τ*; *ἐγένονθο* *ἐφανγμένθεν* Thess., *παργινύωνθο*, *ἐποείσανθο* Boeot. 6. *ἐροτός* for *ἐρατός*. 7. *φ* = *υ* in middle of a word. 8. *μικκός* = *μικρός* (gramm.). 9. *γίννυμαι* for *γίγνομαι* from the analogy of the -*νυμι* verbs. The change must have taken place after the withdrawal of the Asiatic Aeolians. 10. Dat. pl. cons.

¹ In the Pharsalian inscr. the gen. ends in -*ου*.

stems in *-εσσι* (also Lesbian). 11. Inf. in *-εμεν* (not Pharsalian), Lesbian *-μεναι* and *-εν*. 12. Part. perf. Thess. *-ονν*, Boeot., Lesb. *-ων*. This is one of the proofs that these dialects sprang from a common source. 13. *ἐς* = *ἐξ* before a cons. Thess., Boeot.; *ἐς* in B. before a vowel (*ἐκ* in Lesbian before a cons., *ἐξ* before a vowel). 14. *ἐν* for *εἰς*. 15. Patronymics in *-εως*, *ιος*. 16. *βελ* in B. *βελόμενος*, Thess. *βέλλεται*; B. also *βολ* in *βωλά*, Locrian *δείλομαι*. 17. *ποτί* B., Aeolic *πρός*, *πρές*. 18. Doubling of *σ* before *τ*, *κ*, *χ*. 19. Absence of *ψίλωσις*. 20. *τ* for *σ* before vowels. 21. Absence of *ν ἐφέλκ.* in the prose inscriptions.

C. The Thessalian dialect has these points of similarity with Asiatic-Aeolic:

1. *ε* for *α* in *θέρσος*. 2. *ι* for *ε* (*ει*) *λίθιος*. 3. *ο* for *α* in *ὄν* = *ἀνά*. 4. *υ* for *ο* in *ἀπύ*. 5. Assimilation of a liquid with a spirant, *ἐμμί*. 6. *σσ* for *σ* between vowels, *ἔσσεσθαι*. 7. Dat. plur. cons. decl. in *-εσσι*. 8. Personal pronoun *ἀμμέ*, *ἀμμέων*; Lesb. *ἄμμε*, *ἄμμέων*. 9. Contract verbs are treated as *-μι* verbs; not in Boeotian inscriptions. 10. Part. perf. act. in *-ονν*, Lesb. *-ων*. 11. Part. of the substantive verb in *ἔουν* = *ἔών*, Lesb. and Boeot. 12. Article *οἱ*, *αἱ*. 13. *ια* for Doric and Ionic *μία*, Goth. *si*, or *αἶνα οἶνη*. The feminine of *εἰς* is not found in any Boeotian literary or epigraphic monument. 14. *κέ* for *ἄν*. 15. The name of the father is indicated by a patronymical adjective in *-ως*. 16. *μικρός* = *μικρός* (gramm.). 17. *Διόννυσος* = Aiolic *Ζόννυσος*. 18. *αἶν* (the accent is uncertain); cf. Lesbic *αἶν*, *αἶν* and Boeot. *ἡί*, *αἱ*. 19. *Ϝ* = *υ* in middle of a word. 20. Absence of *ν ἐφέλκ.* in non-*κοινή* inscriptions.

II.—THE DIALECT OF BOEOTIA.

A. The Boeotian dialect is akin to that of Lesbos and Aeolis herein:

1. *ε* for *α*, *θέρσος*, Boeot. also *θράσος*. 2. *Βελφοί*, Aeol. *Βέλφοι*. 3. *ο* for *α*, *στροφός*,¹ Boeot. also *σπρატός*. 4. *πόρνωψ* for *πάρνωψ*, Aeol. *Πορνοπίων*. 5. *υ* for *ο*, *δννμα* (but *ἀπύ*). 6. *ἄτερος* (gramm.) 7. *ο + ο = ω*. 8. *ο + α = ᾶ*. 9. Gen. *ο* decl. in *-ω*. 10. *-εω* verbs treated as *-μι* verbs, according to the grammarians, and at least at the time of Aristophanes (*Achar.* 914). 11. Name of the father is expressed by a patronymic adjective. 12. *Πειλεστροτίδας* B., *πήλνι* Lesb. for *τηλῶσε*. 13. *μικρός* = *μικρός* (gramm.). 14. *Ϝ* = *υ* in middle of a word (*Ϝ* is also preserved in B.). 15. *ζά* = *διά*. Corinna *δα*. 16. Absence of *ν ἐφέλκ.* in the prose inscriptions.

B. The following are the chief peculiarities of the dialect of Boeotia, and not found either in Thessaly or in Lesbos. (Many later peculiarities are here included.)

1. *α* for *ε* in *ιαρός*, Thessal. *ιερόν*, Aeol. *ἱρος* < *ἱερος* or **ἱσρος*. 2. *ι* for *ει* throughout. 3. Accus. pl. *ο* decl. in *-ως*, Aeol. *-ους*, Thessal. *-ος*. 4. *ω* from compens. length. This transformation of *ους* occurred after the separation of the three dialects. 5. *ου* for *υ*, *ιου* after *λ*, *ν* and dentals. 6. *ου* for *ο* in *Διονυσο-ρίδαν*. 7. *οι* is written *οε*, *υι*. 8. *η* for *αι*. 9. *γ* for *β* in *πρισιγείες*. 10. *ττ* for *σσ*. 11. *ττ* from *στ*. 12. *ἀπό*, Thessal., Lesbian *ἀπί*. 13. *βανά* for *γυνή*. *γυναικά*

¹ This word is one of the few examples in which the relationship of Boeotian and Aeolic is proven without the concurrence of Thessalian.

is, however, also Boeot. 14. *εἶμεν* = *ἐμμεν*. 15. Inflection *θέμιτι*; Lesb., Thess. *θέμιστος*.

C. Divergences between Boeotian and Asiatic-Aeolic:

1. Prep. *ἄν*; Aeol., Thessal. *ὄν* alone; *ἄν* is the only form in Boeot. and Doric. 2. *πέτταρες*; Aeol. *πέσσυρες*, *πέσυρες*. 3. *κράτος*, also Thessal.; Aeol. *κρέτος*. 4. *κά*, Aeol. *κέ*; *Ἄρταμις*, Aeol. *Ἄρτεμις*. 5. *ει* for *η* throughout. The solitary example of *ει* in Lesbic is *ποιεῖμενος*. 6. *ι* for *ει* throughout. 7. *ω* from compensatory length: *βωλά*, *Δωρίμαχε*; accus. pl. *συνγυράφως*; fem. part. *θέλωσα*. 8. *ου* for *υ*, *ιου* after *λ*, *ν* and dentals. 9. *ου* for *υ*. 10. *οε*, *υ*, *ει* for *οι*. 11. *η* for *αι*. 12. *ι* before vowels = *ι*, *ει*. 13. Gen. pl. *-άων*, Lesb. *-αν*. 14. *εε* = Boeot. *ει*, Lesb. *η*. 15. *καὶ* + *ἐ* = Boeot. *η*, Lesb. *ᾱ* seldom *η*. 16. Aeolic *ψίλωσις* is not found in Boeot. 17. Aeolic *βαρυτόνησις*. 18. Aeolic *σδ*, Boeot. *δ*, *δδ* = *ζ*; cf. the Elean *ζ*, which is Doric, not Aeolic. 19. *ἔς* for *ἐξ*. 20. *ω* verbs inf.: Boeot. *-μεν*, Lesb. *-ην*, *-εν*. 21. *ᾰως*, *ᾱς* for Aeol. *ἔως*. The latter has been attributed to Ionic influence. 22. Imperative *-νθω*, Lesbic *-ντω*. The Boeotian form is, of course, a later development. 23. Boeot. *πέντε*, Aeol. *πέμπε*. 24. Absence of *ψίλωσις*.

D. The dialect of Boeotia differs from that of Thessaly herein. (Many later peculiarities of B. are here included.)

1. *ιαρός* B., *ιερός* Thess., with the exception of C.² 400, 25 Crannon. 2. *ἄν*, Thess. *ὄν*. 3. Thessal. change to *ε* in *διέ*, *Φεκέδαμος*; Boeot. *α*. 4. B. *στροτός* and *στρατός*, Thess. *στρατός*. 5. Boeot. *ω*, Thess. *ου*. 6. *ει* in Boeot. = *ι*, Thess. *ει*. 7. *αι* in Boeot. = *η*, Thess. *αι* or *ει* in the ending *-τει*. 8. *υ* in Boeot. = *ου*, Thess. *υ*. 9. *οι* = Boeot. *οε*, *υ*, *ει* = Thess. *οι*. 10. *ε* before vowels = Boeot. *ε*, *ι*, *ει* = Thessal. *ε*, *ι*. 11. *α* + *ο* = Boeot. *αο*, *αυ*, *ᾱ* = Thessal. *ᾱ*. 12. *εο* = Boeot. *ω* = Thess. *εο*. 13. *οο* = Boeot. *ω* = Thess. *οο* in *-οοος*. 14. Thess. *σσ* between vowels (*ἔσεσθαιεν*) = Boeot. *σ*. 15. Thessal. *φ* for *χ* in *ἀρχιδανχναφορεῖσις*. 16. Thessal. has no *ν* *ἑφελκυστικόν*. 17. Thess. gemination of nasals and liquids. 18. *ανς*, *ονς* = Boeot. *ᾱς*, *ως* = Thess. *ᾱς*, *ος*. 19. *ζ* = Boeot. *δ*, *δδ* = Thess. *ζ*, *σσ*. 20. *σσ* = Boeot. *ττ* = Thess. *τθ*, *Φειταλός*, *Πετθαλός*. 21. *κ* for *τ* in Thess. *κίς*. 22. Gen. sing. *-ο* decl. = Boeot. *ω*, Thessal. *οι*. 23. Boeot. *τισάτω* = Thess. *πεισάτον*. 24. Boeot. *κά* = Thess. *κέ*.

III.—POINTS OF SIMILARITY BETWEEN THE DIALECTS OF THESSALY, BOEOTIA AND LESBOS.

1. *ε* for *α* in *θέρσος*. 2. Formation of patronymics. 3. Pronunciation of *υ* (probably). 4. Termination of the perf. act. part. (*-ων*). 5. Participle of the substantive verb *ἔών*. 6. Termination *-εσσι* in consonantal declension. 7. *Ϝ* in middle of a word = *υ*. 8. Absence of *ν* *ἑφελκ.* in the non-*κοινή* prose inscriptions.

From this summary it is clear that the dialect of Boeotia occupies an intermediate position between that of Thessaly and that of Lesbos, is nearer akin to that of Thessaly, and that the dialect of

Thessaly has a distinctively Aeolic coloring.¹ Aside from those special evolutions in vocalization to which the Boeotian dialect first gave graphical expression, and the Aeolisms of Boeotian speech, there is a remainder of Dorisms the explanation of which has offered no inconsiderable difficulty to the dialectologist.²

That the inhabitants of Boeotia and Thessaly were of the Aeolic race is proved by the close similarity of their dialects, and by the indisputable belief of the ancients that the Boeotians were of kindred race with the Aeolians. Boeotians joined the *κτίσαντες Αιολείς* expelled by the Dorians, in the emigration to Aeolis, Lesbos and Tenedos, a union of *émigrés* scarcely possible had there existed no ties of consanguinity between them.

Two great tribes occupied Greece north of the Corinthian Gulf—the Aeolic in the east, the Doric chiefly in the west and centre,³ the Dorians themselves being referred to North Thessaly. From that western element came the Peloponnesian Doric as an offshoot,⁴ now expelling the idiom of the original settlers, now absorbing its forms, which stand out as isolated landmarks of a bygone age (*e. g.* *Προϊδαία* in Sparta, the only example of the *αι* ablaut in this name). Though the Locrian dialect offers certain peculiarities, reappearing in Elean, it can nevertheless be adjudged to be a descendant of North-Doric speech.

Whether a dialectical separation between Peloponnesian and North-Greek Dorians took place at the time of the return of the Heraclidae, or whether they continued to use one and the same speech, is a question admitting merely a tentative solution, though the latter seems the more probable assumption, since there exist in North Doric a few remnants which are parallel to Peloponnesian Doric (*gen. in -ω and -ως*).

¹ This is not the place to enter upon a discussion of Collitz's assertion: *die thessalische Mundart bildet . . . die Uebergangsstufe vom böotischen zum lesbischen, vom lesbischen zum kyprisch-arkadischen und vom kyprisch-arkadischen zum böotischen Dialekte*.

² Wilamowitz-Möllendorf regards the Boeotian idiom as a mixture of Achæan and Aeolic elements. Of the exact nature of the former we know too little to permit us to treat it as a basis of argumentation. When Aeolic and Doric agree it is difficult to determine to which the phenomenon in question is to be referred, *e. g.* Boeot. *gen. in -ω*.

³ The authority of Herodotus should not be invoked to militate against this assertion, since it rests solely on the supposition of the Ionic historian that the Dorians alone were originally pure Hellenes. From this *πρῶτον ψεύδος* he concludes that the Dorians lived in Phthiotis, the seat of Hellen.

⁴ The consensus of historical investigation now relegates the wanderings of the Dorians to a period anterior to the irruption of the Boeotians.

While the similarity between Thessalian and Boeotian was rendered more apparent by the dialectological *ἐρμαῖον* of the inscription from Larissa, their points of difference still await a final explanation. Upon the solution of the problem whether the original inhabitants of Boeotia were of Aeolic or of Doric blood depends the exact position of its dialect in its relation not only to that of Thessaly, but also to that of Western and Central Greece. We enter here upon a tortuous path, which is illuminated solely by the occasional rays of light cast by ancient literature.

It has been asserted by many, and, for example, by Merzdorf, that there existed an Aeolo-Doric period. This favorite assumption rests upon a probability that is purely specious, and has flourished upon the sterile soil of reverence for Strabo from the time of Salmasius to the present day. Its correctness has never been demonstrated by a detailed investigation, nor is it easily supportable by any more cogent argument than that in *ā* both Aeolic and Doric have preserved a common inheritance, and that they retained *F* with greater tenacity than the Ionians. But these considerations, together with some other minor points of agreement, by no means prove the existence of an Aeolo-Doric unity in any determinable prehistoric period, much less elevate such a unity to that degree of certainty sufficient to serve as a basis for exact dialectological investigation. Though Merzdorf accepts this unity as an incontrovertible fact, he fails to show that the Boeotian dialect, with its mixture of Aeolic and Doric forms, stands in direct succession to this primitive Aeolo-Doric period.¹

If, then, this contingent of Aeolic and Doric forms cannot be demonstrated to be an heirloom of an Aeolo-Doric period, it is necessary to take refuge in the theory of dialect intermixture through the agency of the influence of one race upon another.

The opinion has prevailed in many quarters that the inhabitants of Boeotia were originally Doric, and that they were Aeolized at the time of the irruption of the "Boeotians" from Arne in Thessaly, whence they were driven by the Thesprotians under

¹ Merzdorf finds four characteristic marks of the Aeolo-Doric period: 1. The treatment of *-ew* as *-μ* verbs. 2. *ἐν* for *εἰς*. 3. *πέρ* for *περί*. 4. Dat. plur. in *-εσσι*. The incorrectness of all these assumptions will be shown later on, when we come to a discussion of the intermixture of dialects in Central North Greece. Merzdorf assumes that in the Aeolo-Doric period the Dorians, who remained in North Greece, were more closely connected with the Aeolians than the Peloponnesian Dorians, *i. e.* that the North-Doric dialect is one of the bridges which lead from the *Αἰολίς* to the *Δωρίς*.

Thessalus. Thucydides (I 12) says that, sixty years after the fall of Troy, the Boeotians, having been expelled by the Thessalians, took possession of the land, which was now called Boeotia, but which before had been called Cadmeis, wherein there had previously dwelt a section of their race, which had contributed their contingent to the Trojan war. The latter statement is evidently a makeshift to bring his account into harmony with Homer, who recognizes the Boeotians as inhabitants of Boeotia. The account of Pausanias varies from that of Thucydides in that he relegates the immigration of the Boeotians to a period anterior to the Trojan war, and Ephorus states that the invading force was composed of the Boeotians from Arne, and of Cadmeans who had been expelled from Boeotia by the Thracians and Pelasgians. The theory of Thucydides that the Boeotians in their ingress from Thessaly into Boeotia were returning to their ancestral dwelling-place is evidently an invention, coined in the workshop of fiction, and failing to show that the Boeotians were of Aeolic stock. A similar inversion of historical fact is seen in the legend that the Aetolians "returned" to Elis at the time of the return of the Heraclidae. The atmosphere which Greek historians breathed was surcharged with "returns" of expatriated tribes.

Though tradition is adduced pointing to an invading force of Aeolic blood, and though it has been assumed that this force was successful in subduing a Doric race in Boeotia, traces of whose language worked their way into the speech of the conquerors, it cannot be said that these suppositions have either been made convincing or even possible. According to Brand, the latest writer on the subject, all those Dorisms which appear in the Boeotian dialect are either survivals of the Doric speech of the conquered inhabitants, or are importations from the neighboring communities to the west. Whatever may be said of the plausibility of the latter assertion, which will not be overlooked later on, the grotesque ingenuousness of his argument that, because in all the cantons of Northern Greece, except that of Thessaly, at the time of Alexander the Great, there obtained a dialect which presents the same general Doric characteristics, therefore such must have been the case in prehistoric times, needs no refutation.¹ Inasmuch as all previous

¹ The substructure of Brand's theory of a pan-Aeolic dialect is constructed of the flimsy materials of gratuitous assumption and a marvellous readiness to take refuge in that most pliable of arguments—the *argumentum ex silentio*,

treatises on the dialect of Boeotia have failed to investigate the source of its dialect-mixture, an examination of this problem may not be without value.

Upon the arrival of the expatriated Arneans in Boeotia, they found there a mixed population, of which the Cadmeans and the Minyae certainly formed a portion. (The Thebans are said to have taken possession of their land—*συμμίκτους ἀνθρώπους ἐξέλασαντες*.) Busolt denies that the Cadmeans were of Phoenician origin, though it is impossible to tell with any certainty to what race they belonged. It is, however, probable that upon their expulsion they settled in Claros, Laconia, in Melos and in Thera. Tradition informs us that Erchomenos, the city of the Minyae, of which Athamas, the son of Aeolos, was king, was connected with Iolcos¹ in Thessaly, an Aeolic city, called an *ἀποικία* of the Minyae. If we remember that the seats of the Minyae were originally on the Pagasaeon Gulf, and that they emigrated thence to the Copaic valley, we cannot fail to see that Boeotia and Thessaly were originally united into one territorial district.²

Athamas was worshipped as a hero at Alos in Achaea Phthiotis, having a chapel connected with the temple of Zeus Laphystios.³ Here human sacrifice had been permitted—an importation from Boeotia, where it had been introduced by Phoenicians. In Boeotia and in Phthiotis was an *Ἀθαμάντιον πεδίον*. Near the Boeotian Coroneia was a temple dedicated to the Itonian Athena; a similar temple near a town called Itonus existed in Thessaly; cf. Grote, Chap. XVIII. The architectural remains of the Minyae at Erchomenos are testimonials of Aeolic genius contemporaneous with those at Mycenae. The Achaeans were an *Αἰολικὸν ἔθνος*; and the Dorians did not develop at this remote period any architectonic greatness.

When the new-comers from Thessaly took possession of Boeotia, the Minyae fled to Lemnos, Phocaea and Teos, and thence to Triphylia in Elis.⁴ Pelias of Iolcos, and Neleus of Pylos, which was identified with the Triphylian Pylos, were brothers (λ 254). Busolt (Griech. Geschichte, I 95) finds it difficult to explain the origin of the settlement of the Minyae in Triphylia, and characterizes the Elean dialect as "related to the Arcadian." The Arcadians,

¹ Jason, leader of the Argonauts from Iolcos, was one of the Minyae.

² See Curtius, Hist. Greece, American reprint, I 100.

³ In Boeotia Zeus Laphystios had a temple near Erchomenos.

⁴ Hdt. IV 145-49. *ποταμὸς Μαννῆμος*, λ 722.

it is true, are said by Strabo to have been the earliest inhabitants of Triphylia. But, if the Minyae were of Aeolic stock,¹ as is supposed by Fick (Ilias, p. 568), their settlement in Elis would explain that mixture of Aeolic and North Doric which is one of the chief peculiarities of the Elean patois.

Aetolians settled in Elis, under the leadership of Oxylyus, at the time of the return of the Heraclidae. If these Aetolians brought with them a dialect not dissimilar to that of Locris, we understand why the Eleans displayed such a fondness for \tilde{a} before ρ , as in *Ἰάργον, πάρ*; for \tilde{a} as in *Ἰράτρα* and *πατάρ*, phonetic aberrations found chiefly in Locris as regards \tilde{a} , and in Locris alone as regards the \tilde{a} . Furthermore, we then comprehend such unmistakable traces of North Doric influence as the dative-locative in *-οι* in the *ο* decl., *-οις* dat. pl. cons. decl., *στ* for *σθ*, and perhaps *-ες* accus. pl. (Delphic and Achaean). The Dorisms which are the common property of all Doric dialects, and which recur in this dialect, may be ascribed to the same source, *e. g.* τ for σ , ω by comp. length, *ποτί, τόκα, πεντεκάτιοι*, infin. in *-μεν*, though the possibility of the influence of Peloponnesian Doric is not thereby excluded. Strabo testifies to the admission of Doric elements into the Elean dialect, saying *ὅσοι μὲν οὖν ἦσσαν τοῖς Δωριεῦσιν ἐπεπλέκοντο καθάπερ συνέβη τοῖς τε Ἀρκάσι καὶ τοῖς Ἡλείοις, οὗτοι Αἰολιστὶ διελέχθησαν*. If the Minyae who settled in Triphylia (Hdt. IV 148) were Aeolic originally (and we need not assume that they had been Aeolized at Lemnos), their phonetic contingent was Aeolic, and we perceive whence came the Aeolic stratum in that remarkable combination of dialectical phenomena known as the Elean dialect. I refer to the *ψιλῶσις* (*ἐπίαρρον*), to the accus. pl. of the \tilde{a} and *ο* decl. in *-αις* and *-οις* (*e. g.* *ταῖρ, τοῖρ*, rhotacism being a later development), to the treatment of *-εω* verbs as *-μι* verbs in *καθαλήμενος*, though it must be conceded that this too is a peculiarity of the Locrian dialect. This theory of the origin of the intermixture of dialects in Elis (first suggested by Fick), though new, and perhaps destined to excite the hostility of surprise, cannot be dismissed without an examination of all the arguments that make for this conclusion.²

¹ The Asiatic Aeolians were then composed of two contingents: (1) The expelled Thessalians and Minyae, who joined the (2) Peloponnesian Aeolians, who reached their destination via Boeotia. The argument that the Minyae were Ionians who brought *ἐκ* (instead of *ἐς* cum genet.), *εἰς*, etc., to the Aeolic dialect, is a mere supposition. Duncker (V⁵ 24), it is true, regards as Ionians those expelled by the Arneans.

² Blass lays weight upon the fact that Pisatis was connected with Arcadia

This digression was necessitated by my desire to develop and confirm the supposition that, of the original inhabitants of Boeotia, the Minyae at least were of Aeolic stock.¹ The name of the inhabitants of the land drained by the Cephissus was in historical times *inter alia* Διολεῖς Βοιωτοί. Now, the peculiarity of this denomination of a people which formed later on a federal unity, leads to the not unpalatable supposition that herein we have a designation of two tribal entities—the Aeolians and the Boeotians; otherwise, it would be difficult to explain a compound name of this character not easily paralleled in the domain of Greek ethnography or elsewhere in Greek, but occurring in at least one cognate language. If in reality the tribe called Βοιωτοί was a part of that body of Dorian Greeks who, as pioneers of a Dorian civilization, left their western home to seek a new habitation in the east, the possibility of a solution of the problem of dialect-mixture in Boeotia becomes at once apparent. The Boeotians left Arne in Thessaly either before or after the Trojan war—our authorities varying between the one date and the other—but that they were necessarily Aeolians is far from being proved by the sporadic testimony of tradition. Pausanias, X 8, 4, couches his opinion in positive language: Θεσσαλίαν γὰρ καὶ οὗτοι (οἱ Βοιωτοί) τὰ ἀρχαιότερα ᾤκησαν καὶ Διολεῖς τῇ καὶ ἐκαλοῦντο, but we have no warrant for the credibility of his source of information. Thucydides doubtless believed them to be Aeolians, since they were “returning” to Boeotia, which was an Aeolic country in his opinion. A dispossessed Aeolic people would naturally take refuge with a kindred race, but their arrival is signalized not by a fraternal welcome, but by the expulsion of the Minyae, once the most powerful tribe of North Greece. If it be granted that the Arneans were Aeolians—and we must confess that the balance of probability according to tradition inclines to this view—we are driven to the conclusion that at this turbulent period, when the Dorians themselves were compelled to vacate their settlements, a body of Dorians must have forced their way across the confines of Boeotia and become amalgamated with the remnant of

before its conquest by the Eleans in the fifth century. But from Arcadia the Elean dialect could have derived but few Aeolic ingredients. The general features of the Arcadian dialect are widely different from those of Elis;—thus—*v* for *o* in ἀπὸ, ἄλλν; ἐς for ἐξ; ἰν for ἐν; πός for πρός; termination -νσι, accus. pl. -τος, εἰ, ἄν, ἦναι, -Fεναι, change of τ to σ.

¹ Πευμάτων (Τεύματος) Βελφοί, Πενθεῖς have been regarded as survivals of the original Aeolic, a proof of the long life of proper names, even under the adverse conditions of the supremacy of an alien tribe.

the original Aeolic population. Whence these Dorians came we know not, if they be not in reality the Arneans.¹ Doubtless they were Dorians who had crossed the Pindus—such ultramontane Doric tribes are not without parallel—and, forced by the later incursions of the Thesprotians under Thessalus, pressed southward to seek a new abode in Boeotia.² Or, perhaps, from the Dores who, on their expulsion from Thessaly, settled in Doris, may have come an offshoot, which forced its way into Boeotia. We must be content with a *non liquet* in the investigation of such an elusive problem, and rest satisfied with the results attained—that Boeotia was originally an Aeolic land, and that it was partially Dorized at an early period of its history. The possibility of Doric accretions from the west at a later period is not thereby excluded, though an examination of the dialect of the neighboring cantons justifies the conclusion that the Boeotians were more liberal in infusing peculiarities of their idiom into adjacent regions than ready to receive foreign loan-forms.

In Thessaly, as frequently where alien races come into contact, the speech of the conquerors yielded to that of the conquered. That the invaders were Dorians is clear from many considerations, one of which has heretofore been overlooked. The leader of the Thesprotians was Thessalus, grandson of Hercules; the leaders of the Dorians who overran the Achaean Sparta were the sons of Aristodemus, grandson of the same hero. In both Thessaly and Sparta the subdued inhabitants occupied a similar position,³ the Achaeans and Magnes in the north being reduced to a condition parallel to that of the *περίουκοι*, while the *πενέσται* were subjected to the fate of the Helots. Thessaly was divided into four, Laconia into six divisions. It need not excite our surprise that the tenacity of the Aeolic of the overpowered Thessalians was so vigorous as

¹ Too much stress should, perhaps, not be laid on kinship between tribes. It is, therefore, impossible to show that the Arneans were not Dorians, from the fact that they compelled Locrians and the Abantes of Abae in Phocis to leave their homes. That the Aegidae of Thebes took part in the return of the Heraclidae does not prove the original inhabitants of Boeotia to have been Dorians.

² Such tribes must have crossed the ridges of the Pindus at a period antedating the inroad of the Thesprotians, since Achilles calls upon the Zeus of the Epirotic Dodona as the ancestral divinity of his house. Had these Epirotes, it may be remarked, been barbarians, as a later age assumed, the preeminent position of Dodona and of the Achelous would be unexplainable.

³ "When *Αἰολίς* became Thessaly its real national history was at an end"—Curtius.

to supplant the dialect of the conquerors. The western Greeks, though of genuine Hellenic stock, were an uncultivated people, the Aeolians of Thessaly a people destined, together with the Achaeans, to be the nurse of the noblest development of Hellenic poetry. Hence the fact that we find so few Dorisms in Thessaly; *e. g.* ποτί, κράτος (Lesbian κρέτος), ψαφιξαμένας, etc.,¹ whereas in the land of the *crassi Boeoti*, a people enkindled by no great love of the humaner arts—for Pindar was really *extra flammantia moenia mundi*—less resistance was offered to the speech of the invading Dorians. Thus we find such surviving Aeolisms² as inf. in -μεν, patronymics in -ιος, dat. in -εσσι mixed with Dorisms; *e. g.* α for ε in ἱαρός (Thess. ἱερός, Lesbic ἴρος); the accus. pl. in ως, εἰ < η, by comp. length; ἀπό for ἀπύ, εἶμεν for ἔμμεν, ὄν for ὄν Thess., Lesb.; κά, the change of εο to ιο (?), inflection of θέμυς (θέμυτι), τοί, ταί, absence of assimilation, reflexive αὐτὸς αὐτῶν, ἀσσαντῶ, fut. in -ξω, aorist in -ξα from -ζω verbs. Other non-Doric peculiarities of Boeotian speech which find no parallel either in Thessaly or in Lesbos are either individual developments of the dialect or importations from elsewhere; *e. g.* ττ from Attica or Euboea, as we may assume that the σσ on the most ancient Boeotian inscriptions (Κυπαρίσσοι Διβύσσαι) is antecedent to the ττ of the later monuments.

Turning from the eastern to the western portion of North Hellas, we enter upon a field that has heretofore not been systematically explored by the dialectologist. The present investigation of the vowel and consonantal systems of the dialect of Epirus, Acarnania, Aetolia, Phthiotis, and of the dialect of the Aenianes, is the first that attempts to bring together all the phenomena illustrative of the dialect of this extensive region. Before proceeding to a summary of the chief features of this *patois*, it may be instructive to pass in review some matters of ethnographic and historical importance that will cast light upon this obscure corner of Greek dialectology.

Epirus. The Greeks held that Hellas proper ended at Ambra-cia, and that therefore the Epirotic tribes were non-Hellenic. Though Thuc. (II 81) expressly states that the Chaones were

¹ I regard the use of ἐν for εἰς as originally Hellenic, and not confined to the Doric of North Greece. Some portion of the Dorisms of Thessaly may, of course, be held to be later accessions. The inscriptions of Pharsalia in Thessalotis are completely Aetolian in character.

² It is improbable that any of these Aeolisms should have been importations from Thessaly.

barbarians, modern investigation has determined that of the northern tribes some were wholly barbarous, while the southern tribes at least were Hellenized. If, however, the Thesprotians under Thessalus, presumably in the eleventh century, were the source of the admixture of Doric elements in the Aeolic of Thessaly, and perhaps of Boeotia, we cannot doubt but that the Epirotes were on a footing of ethnic equality with the other Hellenes, nor refuse to allot them a place among the sections of that Doric race which afterwards was split into a northern and a southern division. In history the Epirotes play no part till the rise of the Molossi under Pyrrhus; and in 168 B. C. they were subdued by the Romans.

Acarnania. The earliest inhabitants were Leleges and Curetes, the former of whom had originally their habitations in Caria. Tradition points to early settlements under Cypselus from Corinth, and Blass has declared that the Acarnanian dialect is nothing more than an imported Corinthian, a declaration which he has unfortunately not yet proved. The Acarnanians were at all times the bitter opponents of the Aetolians, serving as auxiliaries under Philip of Macedon after 220, to which fact they owed their fall in 197.

Aetolia. Curetes, Leleges and Hyantes are stated to have been the original settlers of Aetolia. At the period of the tribal revolutions Aeolians from Thessaly forced their way in to settle near Pleuron and Calydon, and Epirotes came from the northwest to augment the number of immigrants. The Aetolians were the early settlers of Elis under Oxylus, though tradition fixed the original seat of the Aetolians in Elis (*Ἠλείαν προγονικήν*). Thucydides, III 94, makes the uncanny statement in reference to the Aetolians, *ἀγνώστατοι δὲ γλῶσσάν εἰσι καὶ ὁμοφάγοι, ὡς λέγονται*. If this assertion be true, which is doubtful on account of the qualification, it can readily be referred to the inhabitants of Aetolia *ἐπίκτητος*. The eastern Greeks evidently had a fragmentary knowledge of their western brethren, whom they characterized as semi-barbarians because they failed to keep pace with themselves in the race for intellectual development. If we may trust the evidence of the inscriptions (cf. especially Coll. 1413), which flatly contradicts the self-asserting superiority of other more favored tribes, there did not fail to exist, even in this western canton, some love of sculpture and of poetry. The Aetolian league disseminated for almost a century its *Kanzleistyl* over a large part of Greece and the Archi-

pelago (Ceos, Teos). In Laconia (Cauer² 30, 32) we find traces of Aetolian forms in inscriptions otherwise composed in pure Laconian. In Phocis (Delphi was subject to the Aetolians from 290 to 191), Locris, South Thessaly, are inscriptions varying in no important particular from those discovered in Aetolia itself. One possibility must, however, not be suppressed—the dialect presented in the inscriptions may not be the native dialect of the inhabitants. As the Macedonian official language is separated by a chasm from the speech of the people, which suffered one of the earliest recorded *Lautverschiebungen* on European soil, so the judicial language of the Aetolian league may fail to present to us those delicate *nuances* of vowel and consonantal coloring which are the bone and sinew of a genuine “dialect.”

The ever-increasing sway which this Aetolian state-speech exercised throughout Hellas was a potent factor in the dissolution of the ancient cantonal idioms. So complete, indeed, appeared the authority of this dialect at the time of Ahrens, that he was misled into the assertion that North Doric was merely an extension of Aetolian Doric, an assertion proved to be false by the Locrian tables, and by the Delphic decrees of manumission.¹

The Aenianes were genuine Hellenes and closely related to the Myrmidons and Phthiote Achaeans. Their original habitation is supposed to have been Thessaly, though in historical times they occupied the valley of the Spercheios, covering in part the territory embraced by the ancient Phthia. From 279 to 195 they were members of the Aetolian league.

The inscriptions from the southernmost Thessalian quarter, Phthiotis, bear such unmistakable traces of North-Doric influence that the opinion of Fick, who has collected and commented upon them in Coll. II 1439-1473, cannot be upheld, though supported by the authority of Kirchhoff (Alphabet³ 138), and Meister (Dialecte, I 289). These scholars all hold that the inscriptions afford a true picture of the Phthiote dialect. The inconsistency of Fick's opinion is manifest when we remember that he assumed the Doric dialect of the invaders from Epirus to have succumbed to that of the subjected Aeolians in North Thessaly. Here, however, in Phthiotis, where the pulse of Aeolic life must have beaten with the greatest vigor, where dwelt the Phthiote Achaeans, close to Phthia, the home of the Myrmidons and of Achilles, who was undoubt-

¹ There is no foundation for Giese's statement that the language of Aetolia was Aeolic.

edly an Aeolian of the Aeolians—*here* we are asked to accept a complete submerging of the Aeolic dialect and its replacement by a foreign speech. On the contrary, I hold that we have to maintain that the linguistic peculiarities presented by the inscriptions are the record of the political domination of the Aetolians. Despite the complete ascendancy of the official language of the Aetolians, traces of the original native speech may have forced their way through, since the patronymic formations in *-ios*—the surest criterion of the Aeolic dialect—in Nos. 1453, 1460, 1473 need not be explained as importations from any one of the three northern provinces of the *τετραρχία*. Whatever may have been the original form of the dialect of Phthiotis, so far as our epigraphical testimony allows us to judge, its present status is completely North Doric. Thus, for example, we find *Θεσσαλῶν* No. 1444 (183 B. C.), and *Κάμων* No. 1459 (160 B. C.), the North-Thessalian forms being *Πετθαλοῦν* and *Κάμονν*.

The following table presents the chief characteristics of the dialects of Epirus, Acarnania, Aetolia, of the Aenianes and of Phthiotis :¹

1. *a* for *ε* in *ἱεροφυλάκων* Aetol. *ἱερός* is also Aetolian and Acarnanian. There is no trace of **Αρταμς*. 2. *εν-* < *ένF* in *ξένος*, etc. *ἐνήκοντα* Oetaea. 3. **Απελλαῖος* Oetaea. 4. *o* in *θεοκολέω* Aetol.; cf. *θεοπολέω* Plato's *Leges*. 5. There is no trace of *ι* for *ε* in *ἔστια*. 6. *ν* in *ὄνυμα* Aetol., *ὄνομα* in all the other dialects of this group; *ὄνομα* is also Aetolian. 7. *ā*, as in Peloponnesian Doric and Aeolic. *θεῶρός* and *θεωρός* Aetol. *Πατροκλέας* is a form declined according to the analogy of the *ā* decl. 8. Hellenic *η* is everywhere preserved, with the exception of *ἐγκτασιν*, Epirus, and (probably) *εἰράνα*, found in all these dialects. The ingression of *η* from the *κοινή* is comparatively rare. 9. The genuine diphthong *ει* appears as *ε* in *Διοπέθης* (Epirus), *Διοπεί[θεος]* Acarn.; *εἰάν* has the form *εἰάν* (Epirus). *Ποσειδῶνι* is the South-Thessalian form. 10. Spurious *ει* and not spurious *η* is the result of compensatory lengthening of *ε* before *νς*. *ενF* is reduced to *εν*. 11. Spurious *ον* from *ονς*; *ορF* = *ορ* except in *Δωρίμαχος* Acarn. Aetol. 12. *-ωι* is either (1) preserved, or (2) reduced to *-ω* or *-ου* (or *ου* may be regarded as the loc.). 13. *ηι* has frequently lost the *iota* adscriptum. 14. Contraction of vowels: *εα* uncontracted or contracted to *η*; *εε* contracted to *ει*; *εη* contracted to *η* in *-κλήης*; *εο* uncontracted or contracted to *ου*, *εν*; *αο* uncontracted or contracted to *ω*; *αα* uncontracted or contracted to *ā*; *οο* uncontracted or contracted to *ον*, *ω* in **Αριστῶς*; *αε* uncontracted; *οε* contracted to *ον*; *αω* contracted to *ā*; *εω* uncontracted. 15. *F* in but two examples, *Φειδύς*, *Φαττίδας* (both Epirotic).² 16. *ν* for *νν* (?) in *ἐνήκοντα*

¹ I have included in this table certain Oetaean forms of interest. We possess, unfortunately, no inscriptions from Doris, the metropolis of the Laconians and Messenians.

² Meister, I, p. 106, quotes as Acarn. the form *Φοινιάδαι*, which does not occur in the inscriptions.

Oetaean. *κόρνωψ* = *πάρνωψ* Oet. Strabo XIII 1, 64. 17. ξ for σ once. 18. Declension: (1) *ā* decl. gen. sing. -*ās*, -*ā*; gen. pl. -*āv*. (2) *o* decl. gen. sing. -*ou*; dat. sing. -*ωι*, -*οι*, -*ω*; accus. pl. -*ους*. (3) -*es* decl. gen. sing. -*εος*, -*ος* once; -*ους* in *Σωκράτους* Aetol., -*εους* in *Νικροκρατέους* Phth.; dat. sing. -*ει*; accus. sing. -*εα*, -*η*. (4) -*eus* decl. gen. -*εος* (-*εως* late); dat. *ει*, *Δί* and *Δί*; accus. -*εα*, -*η*; gen. pl. -*έων*. (5) -*is* decl. gen. sing. -*ιος*; dat. sing. -*ι*, *ει*; nom. pl. -*ιες*. (6) -*ω* decl. gen. -*ώς* and *ούς*. 19. -*ouis* occurs in the consonantal decl.; there is no trace of -*εσσι*. 20. Pronouns: *τίνοις*, *αὐτοσσαντόν*; cf. Boeot. *ὑπὲρ αὐτὸς αὐτῶ*. 21. Verbals: -*ητι*, -*οντι*, -*ωντι*; ξ in aor. of -*ζω* verbs; -*εω* verbs do not generally contract -*εο*; inf. -*ειν* for -*ω* verbs; -*μεν* for *μι* verbs. 22. Prepositions: *άν*, *πάρ*, *ποτί*, *έν* accus. and dat. 23. Adverbs, etc.: *εἰ*, *κά*, *γέν* once (Epir.); *καθώς* is very common.¹

In turning from the rich bloom of the generous dialect-life in the Aeolic cantons of the east to the monotonous sterility of the North Doric of the west, we enter upon a period of the development of Hellenic morphology in which the life-blood of the cantonal speech has been drained dry, in which the epichoristic idiom has suffered a disintegration which is equivalent to absorption into the *lingua franca* of Dorism. None of the western cantons resisted the encroachment of the *κοινή* as long as did those of Central Greece, or equalled the tenacity with which the Laconian and Messenian dialects maintained their cantonal individuality.

Of greater vitality, and therefore of greater moment to the dialectologist, are those phenomena of speech contained in the interlying dialects of Locris and Phocis (especially Delphi), dialects which occupy no unimportant place in an investigation of the problem of Greek dialect-mixture. These dialects in their oldest stage possess almost as strong a local coloring as the *patois* of Boeotia. The Delphic *διάλεκτος*, while not so strongly marked in its earliest epigraphical monuments as that of Locris, preserves a good part of its individuality till the birth of Christ; but the Locrian *patois* was soon merged into that North Doric which is spread throughout all the regions of the west.

The Locrian dialect is represented by two strata of phenomena: (1) An older stratum found in the inscription relating to the settlement of the Opuntians at Naupactus among the Ozolian Locrians

¹ The inscriptions all date from a late period. The two oldest of those of Epirus may be placed between 342 and 326, another between 272 and 260; the rest are all without precise date, though undoubtedly of late origin. The oldest Acarnanian inscription dates shortly after 200, the oldest Aetolian between 240 and 189, while the majority are of the second century. An Aenianian inscription, No. 1429, must have been written shortly after the death of Alexander the Great in 323, No. 1430 is anterior to 279, others are of the second century. None of the Phthiotic monuments antedate the period when Phthiotis was incorporated in the Aetolian league (279-193); others belong to the period of the later Thessalian league (193-146). Most of the inscriptions in this dialect are to be dated before 150 B. C.

(Coll. 1478), dating from the first half of the fifth century, and in the inscription containing a fragment of the treaty between Chalcion and Oeanthea, placed by Kirchhoff at the beginning of the Peloponnesian war; (2) All the later inscriptions. The two documents of the first class, together with the *βουστροφηδόν* inscription discovered at Crissa (Cauer² 202), and dating at least from the fifth century, are (aside from the great Larissaeon inscription) the most important epigraphical monuments of Northern Greece, and of incalculable value to the dialectologist, inasmuch as they contain traces of the oldest phase of Northern Doric found nowhere else. The chief features of the older strata of forms are as follows:

1. The manifest fondness for *a* for *ε* before *ρ*, which we noticed as being a chief peculiarity of the Olympian inscriptions; *e. g.* ἀμάρᾱ, Φεσπάρῑος, πατάρᾱ. 2. Contractions: *a* + *ε* = *η*; *a* + *ο* = *ᾱ*; *a* + *ω* = *ᾱ, ω*; *ε* + *ε* = *ει*; *ο* + *ο* = *ω*; *ο* + *ε* = *ω*; *ε* + *ο*, *ε* + *η* do not suffer contraction, and *ε* + *α* in neut. pl. -*ες* stems (nom. -*ος*) is uncontracted. 3. The frequency of the use of *φ* and *ψ* (*Φότι, Φέκαστος*). 4. *στ* for *σθ*, found also in Thessaly, Boeotia and Elis; *e. g.* ἀρέσται, ἐλέστω, χρῆσται. 5. The position of the dialect between the *ψιλωταί* and the *δασυντικοί*; *e. g.* ὁ, ἄ, οἰ, ὕδωρ; ἄγειν. 6. *ο* decl. has gen. sing. in -*ω*, accus. pl. in -*ους* (traces of this in Delphic are very problematical). 7. *ει, οι*, not *η, ω* from compensatory lengthening. 8. The flexion of the -*εω* verbs as -*μι* verbs in *ἐνκαλείμενος*. 9. *ξ* in the fut. and aorist of -*ζω* verbs. 10. Prepositions: *ἐν* for *εἰς*; *πό, ποί*; *πέρ*; *ἐ* = *ἐκ*. 11. Dat. pl. consonantal decl. in -*οις*; *e. g.* μειόνοις, Χαλειόοις.

The later stratum of forms presents the general Doric character of the western group, all the remarkable peculiarities of the older stratum having disappeared.¹ Contraction of vowels is more frequent, *ψ* ceases to appear, there is no *a* for *ε* before *ρ*. In this later development of the dialect there is one essential difference between the dialect of Opuntian and that of Ozolian Locris: the former alone has -*εσσι* in the dative plural of consonantal stems (*χρημάτεσσι*, about 200 B. C.). This characteristic mark of the Aeolic dialect is found from Mount Olympus throughout Boeotia, Opuntian Locris and Delphi, but is unable to force its way across the boundary into the territory of Ozolian Locris.

A survey of the dialect of Phocis, including that of Delphi, which contains some few peculiarities of its own, will complete our review of the speech of Northern Hellas. The oldest monuments of the Phocian dialect are inscription No. 1537 (Crissa), which Kirchhoff assigns to the sixth century as the earliest possible date,

¹ The inscriptions of the Ozolian Locris contain the same dialectic features as those of Opuntian or Hypocnemidian Locris.

and No. 1531 (Elatea), which must be of considerable antiquity, as it has the labial spirant in *Φαρακείωι*. Of the Delphic dialect the oldest monuments are Cauer² 203, which contains the form *Φέξ*, and No. 204, 380 B. C. As the manumission decrees of Delphi present more peculiarities than the inscriptions of the rest of Phocis, I give here a summary of the dialect of the former, noticing when the Phocian monuments register actual differences:

1. *a* in *κά*; there are but few cases of *άν*, these occurring after the birth of Christ, *ai* in the oracle Hdt. IV 157 and C.² 204; all later inscriptions have *ει*. *ιαρός* and *ιερός* in the oldest Delphic inscription. *Ἀρτάμιτος, διακάτιοι*. 2. *ε*. adj. termination in *-εος*, which is contracted about 200. *Ἀπελλαιος*; cf. Loc. *Ἀπόλλων*; *ε* for *ο* is Delphic alone in *ἐβδεμήκοντα, ὀδελός* (also Megarian), *πέλεκτρον*. *-εω* for *-αω* in *συλέω, ἐπιτιμέω*. 3. *ο*; *τέτορες* to the third century B. C. *ποί* in *Ποιτρόπιος*. 4. *υ*; *δνυμα, ἐνδυς*. 5. *ᾱ*; *ᾱς*, though *ἔως* is more common; *θεαρο-* and *θεωρο-*; *ἐνκτασις*. 6. *η*, from *ε + η*; in *Σωσικράτηα, ιερήια*, etc. 7. *ω*; *αῦς ὠτᾶς, τετρώκοντα*. 8. Contractions: *ε + ε = ει*; *α + ο = αο* and *ᾱ* (*ᾱς*); *α + η = αη*; *ε + α = εα* and *η* in neut. pl. of *-ος* nouns (except *ἔτεα*); *ε + η = η* (one example of *εη*); *α + ω = ᾱ, ω*; *ε + ο = εο*, later *εν, ου*; *ε + ω = εω*, later *ω*; *ο + ο = ω* (in nouns in *-ῶ*) and *ου*. 9. Spiritus asper in *ἐφιορκεῖν, ἐφακείσθω, ἴδιος* Delphic alone. 10. Spurious *ει* and *ου* from comp. length. 11. Consonants: *ὀδελός, δείλομαι*; *π* for *τ* in *Πηλεκλέας; ἡνθον*. 12. Declension: gen. sing. *-ου*, accus. pl. *-ους* (the forms in *ο* and *ος*, in C.² 204 are doubtless mere inaccuracies); dat. in *-οι* (about 30 cases); *-οις* and *-εσσι* in conson. decl. in Delphic. I find no case of *-εσσι* in the rest of Phocis; *-ην* stems have gen. *-εος*. 13. Conjugation: verbs in *-ωω, -ηω*; *-ξω* and *-ξα* from *-ζω* verbs (*-σέω* fut. is a peculiarity of the older Delphic); *-εω* verbs conjugated according to *-μι* inflection. Optative in *-οιεν, -οιν, -οισαν*. Imperative *-ντων* in the oldest inscr., later *-ντω* and *-σαν*. Infm. in *-εν, φέρεν, ἐνοικέν* D., Phocis *-ειν* or *-ην* (*συλῆν, ἐπιτιμῆν* D.), *εἶμεν, ἀποδόμεν*. Participle: *μαστιγῶων, συλῆροντες, ποιείμενος, χρεείμενος*. 14. Prep., etc.: *κά, πέρ* in *πέροδος, ποί, ἐν cum accus.*; *εἰ, οἷς* "whither" D.; Elision is more frequent in D. than in Locrian.

This presentation of the phenomena of North-Greek speech, which affords a complete summary of the prominent features of each dialect, has now placed us in a position to gain a wider horizon in our estimate of the interrelation of the various dialects of this extensive territory. The entire region north of the Peloponnesus, with the exception of Attica and Megara, was the seat of two great dialects: (1) the Aeolic in the east, found originally in Thessaly and in Boeotia, where, through tribal revolutions and later dialect mixture, it has become strongly interfused with Dorisms, and (2) the North Doric, found in comparative purity, if we consider the paucity and late date of the inscriptions, in Western Greece, *i. e.* from the eastern confines of Aetolia to the west and northwest. This dialect contains no Aeolisms what-

ever. Between the two—the Aeolic of the east and the North Doric of the west—lies the Doric of the centre, a Doric essentially of the same character as that of the west, though from its greater antiquity presenting peculiarities not found elsewhere. The Doric of the west and the Doric of the centre of North Greece presents so many characteristic features which are identical, that it can hardly be deemed an assertion devoid of improbability if we maintain that no small portion of the Doric peculiarities of the Locrian idiom must have been a common heritage of the Dorians who remained in North Greece, and that, if we possessed epigraphic testimony from Aetolia or Epirus of the sixth or fifth centuries, or even such of a later date but of an unofficial type, we should discover many of those phenomena which are now held to be the distinctive property of Locris or Phocis; *e. g.* the Locrian genitives in $-\omega$.

The peculiar nature of the North Dorisms, mixed with Aeolisms, in the Elean dialect substantiates the above hypothesis; for, had the Aetolians, at the time of their emigration to Elis, used as a vehicle of expression no other form of the dialect than that found in the inscriptions of their canton, those distinctive North-Greek features of Elean could never have been introduced by their agency. We may, indeed, conjecture that the official language of the inscriptions—a language reduced to the dead level of a monotonous Dorism—does not represent the language of the people, but such a conjecture does not militate against the probability of the assumption that originally there was but one North Doric, varied no doubt here and there by cantonal preferences, but spoken by Locrians and Aetolians alike. By this assumption alone can the Doric ingredient in the mixture of dialects in Elis be explained.

There now remains but one problem for our consideration—the interrelation of the North-Doric and Aeolic elements in the speech of Locris and Phocis. There are three possible solutions to this difficult question: (1) The Aeolisms embedded in the Doric of Phocis and Locris are loan-formations from the Aeolic of the east or northeast, or (2) they are the result of independent generation, or (3) they are relics of an Aeolo-Doric period. To the impossibility of demonstrating the existence of such a period, and of the inadvisability of attributing to it, if demonstrated, any potency in the settlement of mooted questions, reference has already been made. If, at the time of Homer, or of the return of the Heraclidae, Aeolic and Doric were cleft asunder, to what re-

moter period shall we then penetrate to discover a unity which shall throw a flood of light upon the existence of sporadic phenomena at variance with the genius of the dialect in which they appear—phenomena that belong to a period at least a thousand years after this supposed Aeolo-Doric unity? Perhaps no argument could be better adapted to strengthen Schmidt's "wave-theory" than the indefensibility of such assumptions as those of Merzdorf and others.¹ Shall the dialectologist, supported solely by the elusive testimony at his command, arrogate to himself the right to establish periods in the prehistoric life of Hellas, from which even the historian or ethnographer recoils? If I read aright the march of Greek dialectological investigation, one tendency at least is apparent: the assumption of an original unity of tribes, that later on enjoyed a separate existence, is only then available as a sure basis for further speculation when such a unity is elevated beyond the possibility of a doubt.

When a *causa efficiens* for dialect mixture² can be found in tribal migrations attested by the evidence of antiquity, such evidence cannot be neglected. But the assumption of dialect mixture, even when we can show no historical testimony to the special influence of one tribe upon another, or the assumption of independent generation, is invariably preferable to any theory of great tribal unities designed to solve all difficulties as a *deus ex machina*. By the "independent generation" of a form in a Greek dialect, I understand the genesis of a form which is alien to the genius of the dialect in which it appears, and which is controlled in the last instance by the forces of analogy. As language constantly renews her processes, it is possible that the same tendency to create a given form may arise independently in different localities which stand in no interrelation. Such an analogical formation may have arisen, for example, in the dialect of Locris many years after a similar formation was called into existence in the dialect of Lesbos, and at a time when the forces that caused the Lesbian formation had become impotent in Lesbos.

I assert, then, in opposition to each and every scholar who is of the opinion that the Aeolisms of Locris and Phocis are survivals of an Aeolo-Doric unity, that neither is the testimony of antiquity³ nor

¹ Prof. Allen no longer accepts the views adopted by him in Curt. Stud. III, 1870.

² The Gortynian inscription offers some remarkable instances of dialect mixture; e. g. the Aeolic ἐς, ἰῶι, πεδά, ὅπνι, πλίνι.

³ Strabo regarded the Doric as a part of the Aeolic dialect (τῇν δὲ Δωρίδα

is the evidence of Greek dialectology able to establish as valid any such unity ; on the contrary, I maintain that all these Aeolisms are either loan-formations or are the result of independent generation. The delimitation of the extent of dialect mixture is as difficult as the delimitation of that of independent generation ; and that it is often difficult to determine whether we shall assign a given form to one or to the other of these causes, cannot be held to militate against the validity of my position.

Connection between Boeotia and Phocis or Locris is *eo ipso* probable, and is attested in many ways ;¹ 'Ερχομενός in a Delphic inscription preserves the epichoristic spelling of the later 'Ορχομενός. Hartmann attributes to the Boeotian dialect a vigorous influence in coloring the Doric of the west, but as he fails to support his assertions by any arguments that savor of cogency, we are not loath to characterize as incredible his statement that the datives in -οι in Delphic are a loan-formation, since there are about 30 instances of -οι, over 1000 in -οι. It has been assumed that the -οι's represent an orthographical error, an assertion as far from the truth as that they are Boeotisms. Traces of Boeotian influence have been seen in Δρυμείς and in ἔνδος, for Δρομείς (cf. Δρομείς, Δρόμιος) and ἔνδος, which is ascribed to the Dorians, Anecd. Ox. II 162, 10. But, though the darkening of ο to υ is found in Boeotian (Διουσ-κουρίδαο, Θιουτίμυ and in Δινδότω Νυμείνιος), this phenomenon is not exclusively Boeotian, as it is not even chiefly Aeolic. As ἔνδος occurs in Delphic, the υ of ἔνδος may have been generated on Delphian soil ; and Δρυμαία, Δρυμία, Δρυμός are different names of a city of Phocis. Δρυμείς need, therefore, not contain the base δρομ. Πηλεκλέα, W. F. 54, 2, is perhaps a Boeotism for Τηλεκλέα ; cf. Boeot. Πειλεστροτίδας (but also Τειλεφάνειος) and Lesbic πήλυι = τηλόσε.

Locrian ἐγκαλείμενος, Delphic ποιείμενος, ἀφαιρείμενος are instances of the -μι inflection of -εω verbs that constantly recurs in the dialects of Aeolic coloring.² It is improbable that ἐγκαλείμενος should, through Boeotian influence, have forced its way into the dialect of the Ozolian from that of the Opuntian Locrians, who were settlers in Naupactus. The -μι form is to be ascribed either to the influence of Aeolic settlers (cf. Terpander and the Lesbic *citharoedi*,

τῇ Αἰολίδι). In another passage Strabo calls the Aeolians and Dorians ὁμογενεῖς.

¹ Connection with Thessaly was, perhaps, not so intimate. The sacred processions to Olympus may, however, be adduced.

² Hom. ἀλιτήμενος, old Lesbic ποιήμενος, later Lesbic ποιείμενος, Boeot. φίλειμι (gramm.), Thess. γυμνασισαρχέντος, Arcad. ἀδικήμενος, Elean καθαλήμενος.

Ahrens, Gött. Phil. Versamml., 1852, p. 77), or, better, to a development of the Doric of these cantons parallel to that of the Aeolic dialect. As these forms are undoubtedly of later origin, they offer no proof of an Aeolo-Doric period.

ἐν cum accusativo occurs throughout the entire extent of Northern Hellas (*εἰς* occurs in all the Delphic inscriptions but three times), and in Arcado-Cyprian. It does not occur, however, in the *κατ' ἐξοχήν* Aeolic dialect, the Lesbian. As this construction is a relic of the period when Greeks and Latins¹ possessed but one preposition to express "motion to" and "rest in," it cannot be regarded as a characteristic of an Aeolo-Doric age. The Ionians have supplanted it entirely by the use of *εἰς*, *εἰς*, and the Aeolians too, perhaps under the influence of their Ionic neighbors, relinquished their ancient inheritance. That *εἰς cum genetivo* in Aeolic was driven out by *ἐκ*, *ἐξ* of the Ionians is not improbable, as both Thessalian and Boeotian stand here on a plane. The occurrence of *ἐν* in *ἐλ Λακεδαιμόνα* (C.² 26, 8, about 316 B. C.), the single example in Laconian inscriptions, is, if correct, a trace of Elean influence, rather than a survival of the original construction.

The elision of *περί* is not Aeolo-Doric, but Hellenic, though of sporadic occurrence. For Attic the forms *περεβάλλοντο*, Agam. 1147; *περεσκήνωσεν*, Eum. 634; *περιών*, in a fragment of a comic poet, are well attested. The elision of this preposition, claimed as a characteristic of the Locrian idiom, is done away with by the correct reading, *Περκοθαριᾶν*, Coll. 1478. *πέρδος*, the single occurrence on Delphian territory,² *περιδαῖος*, *περάπτων*, *περ' αὐτᾶς*, *περ' ἀτλάτου πάθας* in Pindar, *περοίχεται*, *περίαχε* in Hesiod, poets, who have incorrectly been supposed to have preserved herein traces of their close relationship to the Pythian oracle at Delphi, *περομνύναι*, *περόσχεια*, *περώσιον* in Hesychius, the Elean *πάρ*, which may be due to North-Doric or to Aeolic influence (cf. Alcaeus 36, *περθέτω*; and in two conjectures of Bergk *περ'*, *περ' ἐμέϊο* Megara CIG I, 1064—all these forms make clear the folly of attaching to a single dialect an occurrence of such general character.³

The dative pl. in *-οις* in the cons. decl. is found in Aetolian, Locrian and Delphic, and also in Boeotian (*ἦγυς*), the isolated

¹ Cf. old Irish *i(n)*, Germ. *in*, old Pruss. *en*, Lith. *in*, *i*.

² *περιμειν* is also Delphic, C.² 204, 18—the same inscription in which *πέρδος* occurs. *πέρ* is also Thessalian, in which dialect the full form does not exist.

³ Cf. *ἀμφ'* in Homer, *ἀμφί* in Attic.

position of which leads us to regard it as an importation from the west, though the possibility of its being a native growth should not be suppressed. This analogical formation, like that of *-σαν* in the imperfect, testifies merely to the loosening of the old rigidity of inflection, and is not the exclusive property of any dialect, since it appears in Messenian, late Laconian, Sicilian, Arcadian, Cretan, and perhaps in Lesbian.

That *-εσσι* is not Aeolo-Doric is clear from the fact that, apart from the Homeric and Lesbian formations, it occurs only in Boeotian and in Thessalian. There is no trace whatsoever of *-εσσι* in any inscription of Peloponnesian Doric, and in North Greece it comes to light only as far west as the western boundary of Phocis. If this form were Aeolo-Doric, its appearance beyond this boundary and elsewhere would have followed as a consequence. The Delphic forms are not necessarily loan-formations, as they may be representatives of the forces of analogy inherent in each separate dialect. *-εσσι* occurs in inscriptions of Corcyra, Megara, in Theocritus and in Archimedes.

The result of this investigation may now be briefly stated :

I. The eastern part of North Greece was originally the abode of an Aeolic race whose dialect survived in Thessaly till the latest times. In Boeotia the incursion of a foreign Doric element was not so successfully resisted as in the case of Thessaly, and it is to the influence of this foreign element that we owe, both in Thessaly and Boeotia, the existence of Doric forms, though thereby the possibility of later accessions is not denied.

II. The dialect of the extreme western part of North Greece is pure North Doric, and absolutely free from the contamination of Aeolisms.

III. The dialects of Central North Greece are substantially North Doric in character ; the Aeolisms which they contain are not survivals of an Aeolo-Doric period, but are purely adventitious, and their appearance is traceable up to certain definite limits.

IV. Conformity to general usage, and not an accurate terminology, dictates my expression "dialect of Epirus," etc., though care must be taken to assert that, in the five cantons, Epirus, Acarnania, Aetolia, the canton of the Aenianes and Phthiotis, there obtained at the period subject to our control but one "dialect," distinguished here and there by minute local landmarks. I see herein a proof of the correctness of the theory of Joh. Schmidt (or of Paul Meyer, if he has the prior claim of being its originator), in so far

as it maintains that the term "dialect" refuses to be restricted to any limited centre of speech. In any theory of dialects which are ever subject to a Heraclitean flux, especially if not subjected to the restraining hand of a written literature, chronological considerations are of an importance that cannot be underestimated. Therefore, while for a later period of the dialect-life of Hellas the expression "dialect" is one of peculiar relativeness, it is a justifiable term for certain aggregations of morphological and syntactical phenomena in the earlier periods of language, when dialect-relations were more sharply defined. Schmidt's theory is undoubtedly popular, though it has suffered trenchant criticism, notably at the hands of Fick, but I doubt whether it can ultimately hold ground. If it were rigorously enforced, it might deprive of all individual existence so strongly colored an idiom as that of Boeotia or Thesaly, Locris or Delphi. The restriction of the term "dialect" to narrow geographical limits may convey, and has conveyed, erroneous conceptions concerning the nature of a dialect, but the boundaries which enclose a dialect in the true sense of the word are not necessarily coextensive with those dictated by geographical configuration or by the exigencies of state policy.

This investigation, then, is not without its significance, inasmuch as it casts a light—dimmed, it is true, by the poverty of material at our command—upon the contention between two theories of the interpretation of dialectical phenomena. It shows us that we cannot cast aside the *Stammbaumtheorie* engrafted upon Greek by the Darwinism of Schleicher, and still defended by Ulrich von Wilamowitz-Möllendorf, even though the practical difficulties in the way of its absolute adoption seem well-nigh insurmountable. If, too timid, we struggle to avoid being dashed against the Scylla of Schleicherism, we may be drawn into the Charybdean waves of Schmidt's *Wellentheorie*. The cardinal feature of this consists, according to one of its most keen-sighted adherents,¹ in its assumption: "*Dass sie (Schmidt's Theorie) eine allmähliche Differenzierung des ursprünglich in continuierlicher Reihe verlaufenden Sprachgebietes annimmt, und zwar eine Differenzierung durch dialektische Neuerungen, die an verschiedenen Stellen des ursprünglichen Gebietes aufkommen und von dem Punkte ihrer Entstehung aus auf das benachbarte Gebiet sich verbreiten.*" The adoption of such an explanation not only of the I.-E. languages, but also of the Greek dialects, may lead us to see the cause whereby sub-dialect

¹ Collitz in *Verwandtschaftsverhältnisse der griechischen Dialekte*, 1885.

may lead to sub-dialect, and how each dialect may thus be bound together with the life of another by a "continuous series of minute variations." But we are confronted in the science of Greek dialectology with phenomena dating from historical periods; for these phenomena we must seek a historical explanation as far as is permitted by the dim light of history. The wave-theory regards as merely interesting confirmations of its suppositions those causes of differentiation of a linguistic territory which to its opponents are the very sinew of the genealogical theory. It may well be questioned whether Schmidt's theory does not confuse those processes which caused dialects originally to come into existence, and those processes which give birth to phenomena that have become in historical times the property of two adjacent dialects which have flourished for a long period of time. Peculiarities which link together two dialects may be ascribed to the influence of one upon the other; but in periods antedating all historical ken the influence of a neighboring speech-territory need not necessarily have been the cause of dialectic peculiarities.

If linguistic phenomena alone be taken as the point of departure, we must confess that we thereby seek a refuge in a *sauve qui peut*, and renounce that ideal whose every patient endeavor aims at discovering in the *disiecta membra* of dialect-speech a clue that will reinforce those utterances of antiquity which make for the intimate connection between parent-stock and the offspring which, in periods subject to conjecture alone, left an ancestral home. This ideal in dialectology is as important a guiding motive as the ideal of the freedom from exception to phonetic law is in the science of comparative philology. We have, then, at least no mean purpose, if we search for the golden thread that shall lead us to an explanation of the genealogy of each separate form. With this ideal in view we may perhaps discover that, when the forms of adventitious growth have been separated from those which are indigenous, it is not impossible to construct genealogical trees for the Greek dialects, which will stand in harmonious interdependence. If we endeavor to sift the material which a kind chance has preserved to us, and believe that *terra mater noua miracula suis ex uisceribus nunquam emittere cessabit*, we may trust that a solution may not be far off for many problems which the vigorous dialect-life of Hellas presents.

HERBERT WEIR SMYTH.